Index of Claims

| Application No.  | Applicant(s) |
|------------------|--------------|
| 10/734,418       | KIELY ET AL. |
| Examiner         | Art Unit     |
| SAMUEL A. ACQUAH | 1711         |

| <b>V</b> | R jected Allowed |
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| ,        | R jected         |

| - | (Through num ral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
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| 1 | Interference |

| A | App al   |
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| 0 | Objected |

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| Cla      | im                                     | Date     |  |   |          |          |          |          |          |                 |  |
| Final    | Original                               | 12/13/04 |  |   |          |          |          |          |          |                 |  |
| 1        | 1                                      | =        |  |   |          |          |          |          |          |                 |  |
| 2        | 2                                      | =        |  |   |          | Г        |          |          |          |                 |  |
|          | 3                                      |          |  |   |          |          |          |          |          |                 |  |
|          | 4                                      |          |  |   |          | <u> </u> |          |          |          | L               |  |
|          | 1<br>2<br>3<br>4<br>5<br>6             |          |  | $ldsymbol{le}}}}}}$ |          | L        | L        |          | <u> </u> | <u> </u>        |  |
|          | 6_                                     |          | _  | _   | _        |          |          |          |          | L               |  |
|          | 7                                      | _        | <u> </u>   | <u> </u>  | L        | <b>!</b> | <u> </u> | _        |          | <u> </u>        |  |
|          | 8                                      | _        | <u> </u>   | _   | ┡        | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ▙               |  |
|          |  | H        | ⊢  | ├-  | H        | ⊢        | ⊢        |          | ⊢        | ▙               |  |
|          | 11                                     | H        | ┝  | ⊢   | -        | ⊢        | ⊢        | ⊢        | -        | ⊢               |  |
|          | 12                                     | $\vdash$ | $\vdash$   | $\vdash$  | $\vdash$ | $\vdash$ | -        | $\vdash$ | -        | $\vdash$        |  |
|          | 10<br>11<br>12<br>13<br>14<br>15<br>16 | $\vdash$ | -  | $\vdash$  | _        | $\vdash$ | $\vdash$ | -        | $\vdash$ | Н               |  |
|          | 14                                     |          | <del>                                     </del> | $\vdash$  |          | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ |                 |  |
|          | 15                                     |          | _  | $\vdash$  | $\vdash$ | $\vdash$ | _        |          | $\vdash$ |                 |  |
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|          | 17                                     |          |  |   | -        |          | T        |          | T        |                 |  |
|          | 18                                     |          |  |   |          |          |          |          |          |                 |  |
|          | 18<br>19                               |          |  |   |          |          |          |          |          |                 |  |
|          | 20                                     |          |  |   |          |          |          |          |          |                 |  |
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|          | 22                                     | Ш        |  |   |          |          |          |          |          |                 |  |
|          | 23                                     | Ш        |  |   | <u></u>  | L        |          |          | <u> </u> |                 |  |
|          | 24<br>25<br>26                         | Щ        |  | _   | L        | <u> </u> | <u> </u> | _        | _        | <u> </u>        |  |
|          | 25                                     |          |  | _   | _        | _        |          | _        | L        | <u> </u>        |  |
|          | 26                                     | Ш        |  | _   | <u> </u> | ┞        | ┡        | <u> </u> | ┡        | _               |  |
|          | 27 ·<br>28                             | Н        |  |   |          | ⊢        | -        | -        | -        | $\vdash$        |  |
|          | 20                                     | -        |  |   | _        | $\vdash$ | _        | -        | -        | H               |  |
|          | 29<br>30                               | Н        |  |   | ┝        |          | -        | -        | -        | Н               |  |
|          | 31                                     | -        |  |   | $\vdash$ | $\vdash$ | $\vdash$ |          | -        | Н               |  |
|          | 32                                     | -        | -  | -   | <u> </u> | ⊢        | ┝        | _        | -        | Н               |  |
| -        | 33                                     |          |  | _   | -        | $\vdash$ | -        | -        | $\vdash$ | Н               |  |
|          | 34                                     | $\Box$   |  |   | _        |          | <u> </u> |          | $\vdash$ | Н               |  |
| $\neg$   | 35                                     | $\Box$   |  |   | _        |          |          |          |          | Н               |  |
|          | 36                                     |          |  |   |          |          |          |          |          | П               |  |
|          | 37                                     |          |  |   |          |          |          |          |          |                 |  |
|          | 38                                     |          |  |   |          |          |          |          |          |                 |  |
|          | 39                                     |          |  |   |          |          |          |          |          |                 |  |
| I        | 40                                     |          |  |   |          |          |          |          |          |                 |  |
|          | 41                                     |          |  |   |          |          |          |          |          |                 |  |
|          | 42                                     |          | _  | _   |          | _        |          |          | _        | Щ               |  |
|          | 43                                     |          | _  | _   | _        | <u> </u> | $\vdash$ |          | _        | $\Box$          |  |
|          | 44                                     |          | _  |   |          | <u> </u> |          |          |          | Щ               |  |
|          | 45                                     |          | $\dashv$   | -   | _        |          | _        |          | _        | $\vdash \vdash$ |  |
|          | 46                                     | -        | -  | -   | _        | -        | -        | -        |          | $\vdash \vdash$ |  |
|          | 47<br>48                               |          | $\dashv$   | -   | _        | $\vdash$ |          | _        | _        | $\vdash \dashv$ |  |
|          | 48                                     | $\dashv$ |  | _   |          |          |          |          |          | Н               |  |
| $\dashv$ | 50                                     | $\dashv$ |  |   | _        |          | _        | $\vdash$ | -        | $\dashv$        |  |

| Claim    | m Date   |                |              |          | Claim Date     |          |          |              |              |     |          |          |              |          |          |          |            |                                     |                 |              |           |
|----------|----------|----------------|--------------|----------|----------------|----------|----------|--------------|--------------|-----|----------|----------|--------------|----------|----------|----------|------------|-------------------------------------|-----------------|--------------|-----------|
| Jaim     | +        | _              | т-           | _        | Dat            | <u>e</u> | 1        | т—           | Т            | ┨   | Cla      | aim<br>I |              | 1        | _        | 1        | <u>Dat</u> | e<br>T                              | т-              | _            |           |
| Original | 12/13/04 |                |              |          |                |          |          |              |              |     | Final    | Original |              |          |          |          |            | ,                                   |                 |              |           |
| 1        | 1=       |                | 上            | L        | 乚              | 乚        | 乚        |              |              |     |          | 51       |              |          |          | L        | <u></u>    |                                     |                 |              |           |
| 3        | =        | <u> </u>       | L            | 乚        | _              |          |          | L            | L            |     |          | 52       |              |          |          |          |            |                                     |                 |              |           |
| 3        |          |                |              |          |                | <u> </u> |          |              |              |     |          | 53       |              |          |          |          |            |                                     |                 |              |           |
| 4        |          |                |              |          |                |          |          |              |              | ]   |          | 54       |              |          |          |          |            |                                     |                 |              |           |
| 5        |          |                |              |          |                |          |          |              |              | ]   |          | 55       |              |          |          |          |            |                                     | Γ               |              | П         |
| 6        |          |                |              |          |                |          |          |              |              | ]   |          | 56       |              |          |          |          |            |                                     |                 |              |           |
| 7        |          |                | 乚            | L        |                |          |          |              |              |     |          | 57       |              |          |          |          |            |                                     |                 |              |           |
| 8        | $\perp$  | 乚              | L            | L        | L              | L        |          |              |              |     |          | 58       | _            |          |          |          |            |                                     | L               | $oxed{oxed}$ |           |
| 9        |          |                | L            | L        |                | 匚        |          |              |              |     |          | 59       |              |          |          | L        | _          |                                     |                 |              |           |
| 10       |          | 上              | ┖            | <u> </u> |                |          | L        |              |              |     |          | 60       |              |          |          |          |            | L                                   |                 |              |           |
| 11       |          | <u> </u>       | ┖            | L        | L              | L        | _        |              | _            |     |          | 61       |              |          |          |          |            | L                                   |                 |              |           |
| 12       |          | 丄              | <u>_</u>     | <u></u>  | _              |          | <u> </u> | _            |              | ]   |          | 62       |              |          |          | <u> </u> |            | L                                   |                 |              |           |
| 13       |          | L              | <u> </u>     | L.       |                |          |          |              | 匚            | ]   |          | 63       |              |          |          |          |            | L                                   |                 |              |           |
| 14       |          |                | L            | L        |                |          |          | L            |              |     |          | 64       |              |          |          | <u> </u> |            | L                                   |                 |              |           |
| 15       |          | L              |              |          |                | L        | _        |              |              |     |          | 65       |              |          |          |          |            |                                     |                 |              |           |
| 16       | ┸        | L              |              | L        | L              | L        | L        |              | _            |     |          | 66       |              |          |          |          |            |                                     | L               |              |           |
| 17       |          |                | L            | <u> </u> |                | _        | L        |              |              | ]   |          | 67       |              |          |          | L        | L          |                                     | L               |              |           |
| 18       |          | <u> </u>       | _            | L.       | <u>_</u>       | _        |          |              |              |     |          | 68       |              | _        |          | <u> </u> |            | <u> </u>                            |                 |              |           |
| 19       |          | L              | L            |          |                |          | <u> </u> | $oxed{oxed}$ | L            |     |          | 69       |              |          |          |          |            |                                     | _               |              |           |
| 20       |          | _              | L            | _        | L              | L        | L        |              | L            |     |          | 70       |              |          |          |          |            | _                                   |                 | L            |           |
| 21       | 1        | L.             | 乚            | L        | L              |          |          | L            | L            | ]   |          | 71       |              |          |          |          |            |                                     |                 |              |           |
| 22       | $\perp$  | L              | L            | _        |                |          |          |              | $oxed{oxed}$ | 1   |          | _72      |              |          |          |          |            |                                     |                 |              |           |
| 23       |          |                | L            | 匚        | L              | <u></u>  | L        |              |              |     |          | 73       |              |          |          |          |            | L                                   |                 |              |           |
| 24       | Т_       | _              | _            | L        | L              | L        | 乚        |              |              | l   |          | 74       |              |          |          |          |            |                                     |                 |              |           |
| 25       |          |                | _            | _        |                |          | L        | L            | L            |     |          | 75       | $oxed{oxed}$ |          |          |          | <u> </u>   |                                     | L               |              |           |
| 26       |          |                | _            |          | ᆫ              | <u>_</u> | L        | L            | L.           |     |          | 76       |              |          |          |          |            |                                     | L               |              |           |
| 27       | 1_       | _              | L            |          |                |          | ┖        |              | _            | ]   |          | 77       |              |          |          |          |            | <u> </u>                            | 匚               | L            |           |
| 28       |          | <u> </u>       | ╙            | _        | _              |          | _        | L            | _            |     |          | 78       |              |          |          |          | _          | <u> </u>                            |                 |              |           |
| 29       |          |                | _            | _        | _              |          |          | _            | <u> </u>     |     |          | 79       |              |          |          |          |            | 乚                                   | 匚               | _            |           |
| 30       | <u> </u> | L              | _            | <u> </u> |                | <u> </u> |          |              | 匚            |     |          | 80       |              |          |          |          |            |                                     |                 |              |           |
| 31       | 1_       |                | <u> </u>     | _        | _              | _        |          | _            | <u> </u>     |     |          | 81       |              |          |          |          |            | L                                   |                 |              |           |
| 32       |          | _              | <u>_</u>     |          | _              |          |          | L            |              |     |          | 82       | Ш            | _        |          |          | _          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш               | _            |           |
| 33       | _        | <u> </u>       | _            | _        | <u> </u>       | L.       | _        | <u> </u>     |              |     |          | 83       |              |          |          |          |            | L_                                  |                 |              |           |
| 34       |          | <u> </u>       | <u> </u>     | _        |                |          |          | _            | _            |     |          | 84       |              |          |          |          | _          |                                     | <u> </u>        |              |           |
| 35       | ┿        | _              | _            |          | _              |          | <u> </u> |              | <u> </u>     |     |          | 85       |              |          |          |          |            | _                                   |                 |              | Щ.        |
| 36       | +-       | <u> </u>       | <u> </u>     | L        | _              | _        | _        | _            | <u> </u>     |     |          | 86       |              | _        |          |          |            | _                                   |                 |              | Щ         |
| 37       |          | ├              | <u> </u>     | _        | <u> </u>       |          | _        | <u> </u>     |              |     |          | 87       | -            | _        |          |          |            |                                     |                 |              |           |
| 38       | +        | ┝              | <del> </del> |          | _              |          | _        |              | <u> </u>     |     |          | 88       | Ш            | _        |          | -        |            | L                                   | _               |              |           |
| 39<br>40 | +-       | -              | <del> </del> |          | ├              | _        | <u> </u> | $\vdash$     |              |     |          | 89       | $\dashv$     | _        |          | Ш        |            | _                                   | Ш               |              |           |
|          | +-       | -              | -            | _        | H              | _        | <u> </u> | -            | _            |     |          | 90       |              | -        | _        |          |            |                                     | Щ               | _            | $\Box$    |
| 41       | +-       | <u> </u>       | ┝            | _        | _              | _        |          | _            | _            |     |          | 91       |              | _        | _        | Щ        |            |                                     | -               |              |           |
| 42<br>43 | +        | ├-             | ⊢            | -        | $\vdash$       | $\vdash$ | H        | Η.           | <u> </u>     |     |          | 92       | $\vdash$     | $\dashv$ | _        | -        |            | Н                                   | $\vdash\vdash$  |              | $\vdash$  |
| 43       | +        | <del> </del> — | <del> </del> | <u> </u> | <del> </del>   | -        | -        | $\vdash$     | <u> </u>     |     |          | 93       | -            | -        |          |          | -          |                                     | $\vdash \vdash$ |              | Щ         |
| 45       | +        | ├              | -            | -        | <del>   </del> |          | $\vdash$ | $\vdash$     | <u> </u>     |     | $\dashv$ | 94<br>95 |              | $\dashv$ | $\dashv$ | _        | _          | $\vdash$                            | $\vdash$        | $\vdash$     | $\dashv$  |
| 45       | +        | $\vdash$       | ⊢            | -        | -              | _        | $\vdash$ | $\vdash$     | ⊢            |     |          |          | -            | -        |          |          | $\vdash$   |                                     | Н               | $\dashv$     | $\square$ |
| 47       | +-       | Ι              | $\vdash$     | -        | -              | ٠.,      | -        | $\vdash$     | <u> </u>     |     |          | 96       |              |          | $\dashv$ | _        | $\dashv$   | -                                   | $\vdash$        | $\dashv$     | {         |
| 48       | +        | <u> </u>       | $\vdash$     |          | $\vdash$       |          |          | -            |              |     |          | 97<br>98 |              | -        |          | $\dashv$ | $\dashv$   | $\vdash$                            |                 | -            |           |
| 49       | +        | -              |              |          |                |          |          | H            |              |     |          | 99       | $\dashv$     | $\dashv$ | $\dashv$ | -        | -          | $\vdash\vdash$                      | $\vdash$        |              | $\dashv$  |
| 50       | +        | Η-             | -            | _        |                | _        | _        | Н            | $\vdash$     |     |          | 100      | -            | $\dashv$ | -        |          |            | $\vdash$                            | $\vdash$        |              |           |
| 1 30     |          |                | <u> </u>     |          |                |          |          |              |              | i l | l        | 100      |              |          |          |          |            |                                     |                 |              |           |

|               |                   | L          |          |                  |          |          |  |              |                 |          |  |
|---------------|-------------------|------------|----------|------------------|----------|----------|--|--------------|-----------------|----------|--|
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| CI            | aim               | Date       |          |                  |          |          |  |              |                 |          |  |
|               | 1                 |            |          |                  | Π        |          |  | Π            |                 | П        |  |
| <u>a</u>      | Original          |            |          | İ                |          | l        | ١.   |              |                 | H        |  |
| Final         | .ᢓ                |            |          |                  |          |          |  |              |                 | ΙI       |  |
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| _             | 101               | $\vdash$   | _        | 1                | _        | T        | $\vdash$   | $\vdash$     | ╁               | Н        |  |
|               | 102               |            |          |                  |          | 1        | ┪  |              |                 | H        |  |
| $\overline{}$ | 103               |            |          | $\vdash$         | ┪        | Т        | <del>                                     </del> | 1            | ✝               | Н        |  |
|               | 104               |            | _        | $\vdash$         | ┪        | $\vdash$ | ┢  | $\vdash$     | 1               | Н        |  |
|               | 105               |            |          | 一                | _        | H        | H  | 1-           | $\vdash$        | Н        |  |
|               | 106               |            |          |                  | $\vdash$ |          | H  | $\vdash$     | t               | Н        |  |
|               | 107               |            | _        |                  | $\vdash$ |          | ┪  | $\vdash$     | ┢               | Н        |  |
| _             | 108               |            | ┢        | $\vdash$         | $\vdash$ |          | <del>                                     </del> | $\vdash$     | ┢               | H        |  |
|               | 109               |            |          |                  |          |          | $\vdash$   |              | T               | Н        |  |
|               | 110               | $\vdash$   | Ι        | T                |          | Т        | <del>                                     </del> | $\vdash$     | T               | Н        |  |
| _             | 111               | $\vdash$   | $\vdash$ | $\vdash$         | $\vdash$ | Н        | $\vdash$   | T            | t               | Н        |  |
|               | 112               | _          | 一        | $\vdash$         | ┢        | 一        | ┢  | $\vdash$     | _               | Н        |  |
|               | 111<br>112<br>113 | -          | $\vdash$ | $t^{-}$          | $I^-$    | $\vdash$ | $\vdash$   |              | $\vdash$        | $\vdash$ |  |
|               | 114               | _          | ┢        | i -              | $\vdash$ | 1        | -  | $\vdash$     | ┢               | Н        |  |
| $\vdash$      | 115               |            | $\vdash$ | $\vdash$         | $\vdash$ | $\vdash$ | <u> </u>   | 1            | $\vdash$        | H        |  |
|               | 116               |            | $\vdash$ | 1                | ┢        | $\vdash$ | <u> </u>   | $\vdash$     | H               | Н        |  |
|               | 117               |            | -        | $\vdash$         | ┢        | $\vdash$ |  | ┞            | ┢               | Н        |  |
|               | 118               |            | ┝        | $\vdash$         | H        | ┢        |  | ┢            | ┢               | Н        |  |
|               | 119               |            | _        | ┢                | _        | $\vdash$ | -  | ┝            |                 | Н        |  |
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|               | 122               |            |          | ┢                |          | ⊢        | _  | -            | ╁               | Н        |  |
|               | 122<br>123        |            |          | ⊢                | ┢        | ⊢        | $\vdash$   | -            |                 | Н        |  |
|               | 124               |            |          | ┝                | ┢        | $\vdash$ |  | -            | -               | Н        |  |
|               | 125               |            |          | ┢                | ┢        | _        | $\vdash$   | $\vdash$     | -               | Н        |  |
| $\vdash$      | 125<br>126<br>127 |            |          | -                | ┢        | _        | ┢  | -            | -               | Н        |  |
| ├──           | 127               |            | -        | -                | -        | $\vdash$ | $\vdash$   | -            | -               | Н        |  |
| -             | 128               | _          | _        | $\vdash$         | ┢        | ┢        | ┢  | $\vdash$     | -               | Н        |  |
| <u> </u>      | 128<br>129<br>130 |            |          | -                | <u> </u> | -        | ┝  | -            | ┝               | $\vdash$ |  |
| <del>-</del>  | 130               |            |          | ⊢                | $\vdash$ |          | <del> </del>                                     | <del> </del> | ┢               | H        |  |
| ├             | 131               |            |          | -                | -        | $\vdash$ | <u> </u>   | -            |                 | Н        |  |
|               | 131<br>132        | _          |          | $\vdash$         | -        | ┝        | -  | -            | $\vdash$        | Н        |  |
|               | 133               | _          |          | -                | ⊢        | $\vdash$ | -  | $\vdash$     | ┝               |          |  |
|               | 134               | -          | _        | -                | -        | $\vdash$ | Н  | ⊢            | $\vdash$        | -        |  |
| -             | 135               | -          | -        | -                | -        |          | Н  | $\vdash$     | <del> </del>    | $\vdash$ |  |
|               | 136               | _          |          | Ι                | $\vdash$ |          | -  | H            | $\vdash$        | $\vdash$ |  |
|               | 137               |            | -        | $\vdash$         | -        | $\vdash$ | Н  | -            |                 | $\dashv$ |  |
|               | 138               | 러          |          | $\vdash$         |          | _        | -  | $\vdash$     | H               | $\dashv$ |  |
|               | 139               | $\neg$     |          | $\vdash$         |          |          |  | $\vdash$     | $\vdash$        | $\dashv$ |  |
| _             | 140               | -          |          | <del>  -  </del> |          | $\vdash$ |  | $\vdash$     | $\vdash$        | $\dashv$ |  |
|               | 141               | -          |          | Η.               | _        |          | —  | $\vdash$     | $\vdash$        | $\dashv$ |  |
|               | 142               |            | -        | H                |          | Н        | _  | -            | $\vdash$        | $\dashv$ |  |
|               | 143               | $\dashv$   | _        | $\vdash$         |          | Н        |  | -            | <del> </del>    | $\dashv$ |  |
|               | 144               | $\dashv$   | _        | -                |          |          |  |              | -               | $\dashv$ |  |
|               | 145               | $\dashv$   | _        | -                |          | -        |  | $\vdash$     |                 | $\dashv$ |  |
|               | 145               | $\dashv$   | _        |                  |          | -        |  | -            | $\vdash$        | $\vdash$ |  |
|               |                   | $\dashv$   | _        |                  | $\vdash$ |          |  | $\vdash$     | Н               | $\dashv$ |  |
|               | 147               |            |          | Н                |          | -        |  | $\vdash$     | $\vdash\vdash$  | $\dashv$ |  |
|               | 148               |            | _        | _                | -        | -        |  | $\vdash$     | $\vdash$        | $\dashv$ |  |
|               | 149               | $\dashv$   |          |                  | _        | $\vdash$ | _  | -            | $\vdash \vdash$ | $\dashv$ |  |
|               | 150               | $_{\perp}$ |          |                  |          |          |  |              |                 |          |  |